

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Currently Amended) The process according to claim ~~1~~10, wherein the micromixer is a mixer with channel widths of less than 100 μm .
5. (Currently Amended) The process according to claim ~~1~~10, wherein the micromixer is a multilamination mixer or a split and recombine mixer.
6. (Currently Amended) The process according to claim ~~1~~10, wherein the delay structure is a capillary of predefined volume or another volume with uniform flow or an arrangement with uniform flow.
7. (Canceled)
8. (Canceled)
9. (Canceled)
10. (Currently Amended) ~~The process according to claim 1, which comprises~~ A process for labelling a biomolecule with a label compound that reacts with the biomolecule to form a

covalent bond, said process comprising:

- a) feeding a first solution comprising the biomolecule and a second solution comprising the label compound in defined quantitative flow rates to a first micromixer, wherein the biomolecule is selected from the group consisting of proteins, nucleic acids and saccharides, and the label compound is a dye;
- b) intensively mixing said first and second solutions in the first micromixer to form a reaction mixture and effect a reaction between the biomolecule and the label compound;
- c) feeding the reaction mixture into a delay structure;
- d) retaining the reaction mixture in the delay structure for a time predetermined by the volume of the delay structure and the flow rate of the reaction mixture into the delay structure; and
- ~~d~~e) optionally terminating the reaction after the predefined time.

11. (Previously Presented) The process according to claim 10, wherein the reaction mixture is pumped in circulation in a circuit in the delay structure, and a second micromixer is inserted into the circuit.